

Serial No.: 10/502,060
Atty. Docket No.: P69752US0

IN THE CLAIMS:

Please cancel and add claims as follows:

Claims 1-13 (Canceled).

14. (New) A tubular film die head for extruding single-layer or multi-layer film, comprising:

an annular die gap; and

at least two fastening elements having coolant-carrying capability, said fastening elements passing through holes in said die head and fixing at least two components which together border areas bearing plastic melt within the tubular film die head against one another, at least one of said fastening elements having a coolant intake line formed therein and at least one of said fastening elements having a coolant discharge line formed therein.

15. (New) The tubular film die head according to claim 14, wherein the holes through which the fastening elements are engaged are encased, at least in part, with a thermally insulating material.

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16. (New) The tubular film die head according to claim 14, wherein cavities are provided in areas of the holes in the die head through which the fastening elements are engaged.

17. (New) The tubular film die head according to claim 14, wherein in areas of the holes in the die head through which the fastening elements are engaged, the fastening elements and inner walls of the holes jointly form cavities in the die head.

18. (New) The tubular film die head according to claim 14, wherein the fastening elements are disposed eccentrically in the die head.

19. (New) The tubular film die head according to claim 14, wherein the fastening elements clamp down an inner nozzle ring, bars, and a connecting plate and fix them with respect to one another.

20. (New) The tubular film die head according to claim 14, wherein the fastening elements clamp down all the components which border the melt-carrying areas.

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21. (New) The tubular film die head according to claim 14, wherein the fastening elements include, at least in part, a thermally insulating material.

22. (New) The tubular film die head according to claim 14, wherein each of said fastening elements is cylindrical.

23. (New) The tubular film die head according to claim 14, wherein the fastening elements are provided with outer threads at ends thereof.

24. (New) The tubular film die head according to claim 14, wherein the fastening elements are provided with heads at ends thereof.

25. (New) A process for the mutual fixation of at least two components which together border areas carrying plastic melt within the tubular film die head, comprising the steps of:

fixing a first fastening element through at least two components which together border areas carrying plastic melt, said first fastening element including a coolant carrying intake line formed therein; and

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fixing a second fastening element through said at least two components, said second fastening element including a coolant carrying discharge line formed therein.

26. (New) The process according to claim 25, wherein in mounting of the die head, prefixation of said at least two components is done with lower force.

27. (New) The process according to claim 26, further comprising conducting coolant through said fastening elements so that the contact force of the at least two components is increased by the fact that said components heat up and expand more strongly during the extrusion process than the fastening elements.

28. (New) A tubular film die head for extruding single-layer or multi-layer film, comprising:

an annular die gap;
an inner nozzle ring, two bars, and a connecting plate which border areas bearing plastic melt within the tubular film die head; and

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at least two fastening elements having coolant-carrying capability, said fastening elements passing through holes in said die head and fixing said inner nozzle ring, bars, and connecting plate against one another, at least one of said fastening elements having a coolant intake line formed therein and at least one of said fastening elements having a coolant discharge line formed therein.

29. (New) The tubular film die head according to claim 28, wherein coolant conducted through said coolant intake line and said coolant discharge line of said fastening elements increases the contact force of the components in that said components heat up and expand more strongly during the extrusion process than the fastening elements with said coolant flowing therethrough.

30. (New) The tubular film die head according to claim 29, wherein the fastening elements include, at least in part, a thermally insulating material.